

# NPM1-ALK Fusion/Translocation FISH Probe Kit

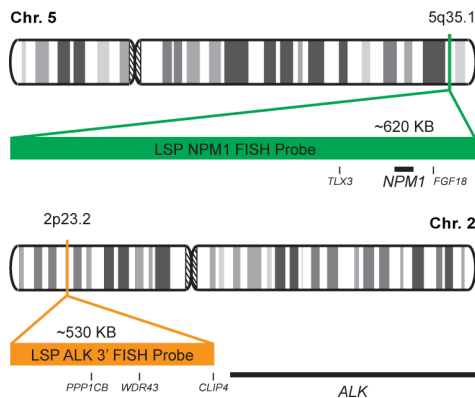
## Introduction

The NPM1-ALK Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *NPM1* and *ALK* genes located on chromosome bands 5q35.1 and 2p23.2, respectively. Rearrangements between the two genes, the *NPM1* gene – also called *B23* or *NPM* – and the *ALK* gene – also known as *CD246* or *NBLST3*, have been observed in anaplastic large cell lymphoma and other myeloid malignancies.

Intended Use
To detect rearrangements involving the human <i>NPM1</i> and <i>ALK</i> genes located on chromosome bands 5q35.1 and 2p23.2, respectively.

Cont.	Color
LSP NPM1 FISH Probe LSP ALK 3' FISH Probe	CytoGreen CytoOrange

## Probe Design



LSP NPM1 FISH Probe covers a chromosomal region which includes the entire *NPM1* gene and sequences upstream (5') of the gene. LSP ALK 3' FISH Probe covers some genomic sequences downstream (3') of the *ALK* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.	Volume
CT-PAC075-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G*	<u>Abnormal Pattern</u> Other Patterns
*Overlapping orange and green signals can appear as yellow.	

- Morris SW, et al. *Science*. 263(5151):1281-4 (1994).
- Yoneda-Kato N, et al. *Oncogene*. 12(2):265-75 (1996).
- Redner RL, et al. *Blood*. 87(3):882-6 (1996).
- Bischof D, et al. *Mol Cell Biol*. 17(4):2312-25 (1997).
- Drexler HG, et al. *Leukemia*. 14(9):1533-59 (2000).



\* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.